

WHAT IS CLAIMED IS:

- Sub B-1
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1. A multi-wavelength laser, comprising:
 - (a) a pump laser source;
 - (b) an optical gain module (OGM) for receiving the output of the laser sources;
 - (c) a periodic band-pass filter (PBF) in a feedback loop between output and input of the optical gain module; and
 - (d) the output of the OGM being an output of said multi-wavelength laser.
 2. The multi-wavelength laser as defined in claim 1, said OGM including a gain flattening filter (GFF) between it and said periodic BPF.